

**IN THE SPECIFICATION**

1. Please amend paragraphs [0004]-[0006] as follows:

[0004] The H.323 protocol recommended by ITU-T (International Telecommunication Union-Telecommunication Standard Sector) prescribes standards for digital multimedia based communications between wireless terminals, *e.g.*, Internet phones on [[the]] a packet based network such as the Internet. This protocol may be referred to as “Voice over Internet Protocol (VoIP)” service in the art. The H.323 system is configured to prescribe the entire communications protocol between a variety of network entities substantially constituting one fixed network for multimedia based communications involving the transfer of images as well as voice information, which entities may include Internet phones, a gateway, a multipoint control unit (MCU) as a terminal, and/or a gatekeeper for performing call admission or address translation.

[0005] An H.323 multimedia communication network comprises at least one gatekeeper for generally controlling the H.323 system and a plurality of H.323 terminal equipments, such as a personal computer or an Internet phone optionally connected, via a packet based network, to the gatekeeper. The gatekeeper serves substantially to provide overall control of all operations of the H.323 system, including setting up and management of incoming/outgoing calls, and any other additional services, such as multi-party calling, call forwarding or various call termination services available using the system, in particular, in association with the H.323 terminals and a gateway. For the purpose of effecting digital communications between those Internet phones, the H.323

protocol system generally prescribes a series of ~~authentification~~ authentication messages required to communicate between the Internet phone and the gatekeeper.

[0006] In order for an Internet phone of a calling party to make a call to an Internet phone of a called party, the Internet phone of the calling party transmits a call admission request message to the gatekeeper, and the Internet phone of the calling party also provides an address of the Internet phone of the called party, *i.e.*, a telephone number of the called party. Thereafter, in reply, the gatekeeper transmits a call admission confirmation message to the calling party when the gatekeeper retrieves a corresponding Internet protocol (IP) address of the called party after searching through a list of IP address ~~registration~~ registrations, and then sends back the retrieved IP address to the calling party. Then, the Internet phone of the calling party transmits a call setup message to the Internet phone of the called party using this IP address of the called party. The Internet phone of the called party receiving the call setup message sends back a call admission request message to the gatekeeper, and the gatekeeper sends back an admission confirm message to the Internet phone of the called party in response. Then, the Internet phone of the called party receiving the admission confirm message transmits a call connect message to the Internet phone of the calling party. Subsequently, media channel signaling is carried out to establish a communication channel between the Internet phones of the calling party and the called party, and then speech between the two Internet phones is performed.

2. Please amend paragraphs [0025]-[0026] as follows:

[0025] The H.323 compatible gatekeeper 310 carries out the various functions of registration, cancellation, modification and searching of a user, utilizing a ~~register, registration~~ admission and status (RAS) message that corresponds to a lower element of an H.225 protocol system performing the setup of a call, and the registration and cancellation of users. In other words, the gatekeeper 310 searches a user information database 314 when any message relating to the registration is inputted, and then notifies the user as to whether the requested message will be processed further with the system. Upon setup of a call, the gatekeeper searches the database 314 to determine whether the two users of the corresponding call have been ever registered therein, and allows setting up of the call for only registered users.

[0026] Hereinafter, the operation for transmission of SMS messages according to the embodiment of the present invention will be described in further detail with reference to the above-mentioned configuration of a network system. First of all, if the user enters a short message set together with a phone number of a desired called party into his own originating terminal (*i.e.*, his Internet phone), and then depresses a specified button for transmission of the short message (that is, SMS message), ~~and then~~ the SMS transmission module of the corresponding terminal transmits this SMS message to a predetermined port of the SMS transmission server.